









Commercial Inverters Comparison 2024

Manufacturer	Model	AC-Power (kW)	MPPT	Strings per MPPT	SPD-AC- DC	Weight (kg)	VDE-Certification		Communication	NS Protection	Connection to Radio ripple control receiver (RRCR)	Advantages
							4105	4110				
	Verto	25 - 33.3	4	2	AC + DC SPD Type 1+2	44.75	✓	in Q4 2024	RS485, Ethernet, WiFi	Integrated coupling switch controllable via external grid monitor	Inputs for RRCR on inverter	With AFCI function and integrated shading management "Dynamic Peak Manager"
	Eco 25.0-3-S - 27.0-3-S	25 - 27	1	6	DC SPD type 1 + 2 and DC SPD type 2 optional	35.7						Integrated data logger and web-server, Snap inverter mounting system
	Tauro	50	3	4 / 3 / 7	AC and DC SPD type 1 + 2	92	✓	✓	RS485, Ethernet, WiFi, USB	Integrated coupling switch controllable via external grid monitor	Inputs for RRCR on inverter	Available in direct and pre-combined versions for centralised or decentralised systems. A 20A string fuse is built into the direct version. Can be mounted flat on the floor
	Tauro ECO	50 100	1	14 22		74 - 103						
	ET-Series (Hybrid)	25 - 29.9	3	2	DC SPD type 2	54			RS485, WiFi, Ethernet, CAN		Inputs for RRCR on inverter	Hybrid inverter with integrated switching device for backup power, under 30 kVA, no central NS protection required
	SMT-Series	25 - 36 50 - 60		2 2		40 55	✓	-		Integrated coupling switch controllable via external grid monitor	Via data logger	Integration into the SEMS portal, high temperature stability: full load up to 50 °C ambient temperature
	MT-Series	60 80	4	3 4	AC and DC SPD type 2	59 - 70			RS485, WiFi			
	HT-Series	100 - 120	10 - 12	2		93.5 - 98.5	✓	✓				
		250	12			111	-		RS485, Bluetooth	(External box)		
	Piko CI 30 - 60	30 50 60	2 4	Total 6 Total 10 Total 12	AC and DC SPD type 2	40 - 75	✓	✓	RS485, WiFi, Ethernet	Integrated coupling switch controllable via external grid monitor	Inputs for RRCR on inverter	Commissioning via KOSTAL PIKO CI App
	Sunny Tripower X	25	3		DC SPD type 2 and type 1+2 optional	35				Integrated coupling switch	Inputs for RRCR on inverter	Direct distribution via SMA SPOT convertible without Data Manager M
		Sunny Tripower CORE1	50	6	2	AC and DC SPD type 2 and type 1+2 optional	84	✓		Ethernet, WiFi	Integrated coupling switch (relay) controllable via external grid monitor; I/O interface required	Via I/O interface or SMA data manager
	Sunny Tripower CORE2	110	12		AC SPD type 2 and DC SPD type 1+2	93.5		✓				Integrated arc fault circuit interrupter (AFCI)
	Sunny Highpower PEAK3	100 - 180	1	1 or 2 (optional) for external generator-connection-boxes	AC and DC SPD type 2	99	-		Ethernet	(External box)	Via SMA data manager	100 kW version with 1,100 V string voltage, 150 kW, 172 kW and 180 kW versions with 1500 V string voltage
	SE 25K	25				48			Ethernet, RS485, WiFi			Commissioning via Solaredge Set App, integrated AFCI (arc detection) functionality
	SE 30K - SE 33.3 K	29.9 - 33.3			DC SPD type 2	36.5	✓	✓		Integrated coupling switch controllable via external grid monitor	Inputs for RRCR on inverter, plug connector required as an accessory	Pre-commissioning function (DC side) possible without AC connection, AFCI
	SE 66.6K - 100K	66.6 - 100				Synergy unit: 32 kg / Synergy manager: 18 kg			RS485, Ethernet			
	SH25T	25	3	2/2/1	AC type 2 and DC SPD type 1+2	40	✓	-	RS485, WiFi, Ethernet, CAN	(External box)		External connection terminals: no need to open the inverter
	SG33CX-P2	33	3	2	AC Typ 2 und DC SPD Typ 1+2	38			RS485, WiFi (optional), Ethernet (optional)	Integrated coupling switch controllable via external grid monitor	Inputs for RRCR on inverter	Integrated arc fault circuit interrupter (AFCI), Commissioning via app
	SG40CX-P2	40	4			40	✓					
	SG50CX-P2	50	4			41						
	SG125CX-P2	125	12			87						
	SG125HX	125	6		AC type 1+2 DC type 2	75					Via data logger, like Solar-Log, meteocontrol Sungrow COM100E	
	SG250HX	250 (at 30°C) 200 (at 50°C)	12		AC and DC SPD type 2	95	-		RS485, PLC, WiFi (optional), Ethernet (optional)			
	SG350HX	352 (at 30°C), 295 (at 50°C)	16			116						

Commercial inverters at Memodo: from 25 kW
 25 kW - 120 kW AC power with low-voltage grid connection
 Larger inverters with mit low-voltage connection
 Solaredge MPPT: Solaredge power optimiser on each module for optimum MPP range.
 Solar-Log or meteocontrol components can be used as direct distribution interfaces.
 For SMA, the Data Manager can also be used as an alternative.
 All commercial inverters are IP65 or IP66 rated.

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